

**TOSHIBA**

# HD-A20KU HD-A20KC

HD DVD player



Introduction

Connections

Playback  
(Basic)

Playback  
(Advanced)

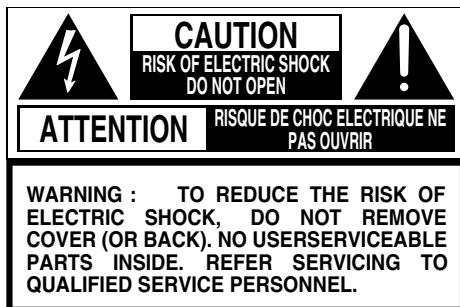
Internet  
connection

Others

## OWNER'S MANUAL



# SAFETY PRECAUTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**ATTENTION:** POUR EVITER LES CHOC ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

**CAUTION:** This HD DVD player employs a Laser System.  
To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.  
Visible and invisible laser radiation when open and interlocks defeated.  
DO NOT STARE INTO BEAM.

**FCC NOTICE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user's authority to operate the equipment.

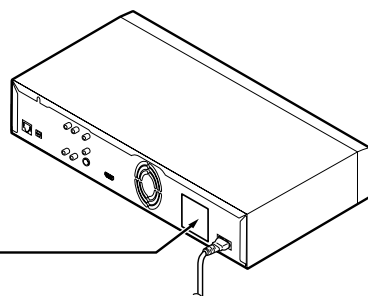
**CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your player.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Retain this information for future reference.

### Location of the required label



# IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



## **ADDITIONAL SAFETY INSTRUCTIONS**

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
16. Never expose the apparatus to dripping or splashing or place items such as vases, aquariums, any other item filled with liquid, or candles on top of the unit.
17. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.
18. Do not place anything on top of this unit.
19. Do not place the apparatus on amplifiers or equipment that may produce heat.
20. Never block or cover the slots or openings in the unit.  
Never place the unit:
  - on a bed, sofa, rug or similar surface;
  - too close to drapes, curtains, or walls; or
  - in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.The slots and openings are provided to protect the unit from overheating and to help maintain reliable operation.
21. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.
22. If the apparatus should emit smoke or an unusual odor, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.
23. During thunderstorms, do not touch the connecting cables or the apparatus.

# Precautions

## Notes on handling

- Never disconnect the power cord from a wall outlet while the player is turned on, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the player. Do not leave rubber or plastic products in contact with the player for a long time. They will leave marks on the finish.
- The top and rear panels of the player may become warm after a long period of use. This is not a malfunction.

## When not in use

- For usual absence  
Be sure to remove the disc from the player and turn off the power.
- Prolonged absence  
Unplug the player from a wall outlet. (This will stop the clock. Display "SETUP MENU" by pressing SETUP, and reset the clock (➔ page 50, 57).)

## Notes on locating

- Place the player on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the player. Before placing the player, make sure that the surface can stand the weight of the player. Never place the player in a high location to avoid damage to the product or person by an accidental fall of the player.
- When you place this player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the player as far away as practical from the TV, radio, or VCR.
- To avoid damage to this product, never place or store the unit in direct sunlight; hot, humid areas; or areas subject to excessive dust, oily smoke, cigarette smoke or vibration.

## Notes on cleaning

Use a soft, dry cloth for cleaning.

- Do not use any type of solvent, such as thinner or benzene, as they may damage the surface of the player.

## About the volume level

The volume level of some commercial HD DVD and DVD discs may seem lower than that of audio CDs, other software, etc. If you turn up the volume of the TV or amplifier to play such discs, be sure to turn it back down after playback finishes.

## Playback restrictions

This owner's manual explains the basic instructions for this player. Some HD DVD discs or DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the player may not respond to all operating commands. This is not a defect in the player. Please refer to the notes on compatible discs later in this Introduction and to the discussion of DVD playback and features later in this manual.

"⊘" may appear on the TV screen during operation.

"⊘" means that the operation is not permitted by the player or the disc.

## About software

Because of problems and errors that can occur during the creation of HD DVD, DVD and CD software and/or the manufacture of HD DVD, DVD and CD discs, Toshiba cannot assure that this player will successfully play every disc bearing the HD DVD, DVD or CD logos. If you happen to experience any difficulty playing an HD DVD, DVD or CD disc on this player, please contact Toshiba Customer Service.

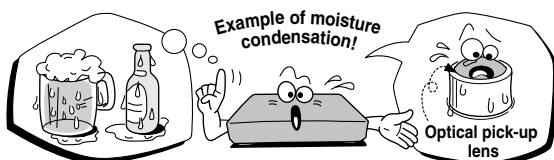
## Some differences

The HD DVD player operates more like a computer and differently than a standard DVD player. In addition to containing a microprocessor, it contains an operating system, random access memory (RAM), and an HD DVD drive. The operating system includes software that is transferred to the RAM when the machine is turned on and at other times during operation. This transfer can take time. Therefore, when you turn the HD DVD player on, it may take a little while before it is ready to use. Likewise, other functions may not be performed as quickly as they would on other AV equipment. Please take these factors into consideration as you use the HD DVD player.

## Notes on moisture condensation

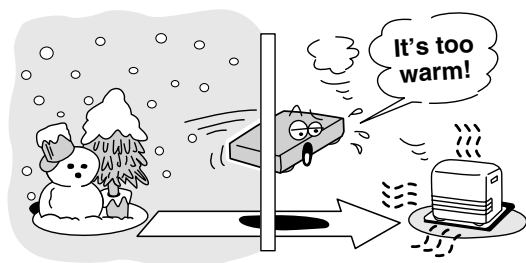
### Moisture condensation damages the unit. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the unit.



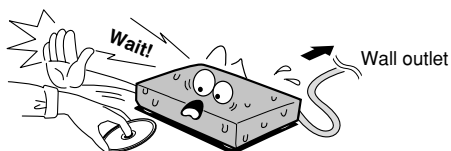
### Moisture condensation occurs during the following cases.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cool air from an air conditioner blows directly on the unit.
- When the unit is moved from an air conditioned room to a hot, humid location.
- When you use the unit in a humid place.



### Do not use the unit when moisture condensation may occur.

If you use the unit in such a situation, it may damage disc and internal parts. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.



## Notes on copyright

- The unauthorized recording, use, display, distribution, or revision of television programs, videotapes, HD DVDs, DVDs, CDs and other materials, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and/or criminal liability.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

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**HD DVD** and **DVD** are trademarks of DVD

# Features

## Playback of HD DVD video discs

HD DVD video discs are high-density, high-capacity discs.

- The HD DVD disc standard has been approved by the DVD forum.
- HD DVD (single layer): 15 GB  
HD DVD (dual layer): Maximum capacity of 30 GB  
A single layer single sided disc (15 GB) has capacity of about 8 hours in 1125 line high definition picture; about 48 hours in 525 line standard definition picture (depending on bitrate of pre-recorded contents).  
\*1GB means 1,000,000,000 bytes.
- HD DVD Twin Format Discs have both HD DVD and DVD layers on one side. HD DVD Combination DVD Discs have HD DVD material on one side and standard DVD material on the other side. Because both disc types are new, such discs may not operate properly in this player.
- To view high-definition picture in HD DVD discs, an HDTV display (720p, 1080i, 1080p) is required. 1080p picture viewing on this player requires HDMI connection.
- Connect an HDTV set to the COMPONENT OUTPUT jacks or the HDMI OUTPUT jack on this player.
- Some discs may require use of HDMI OUTPUT for viewing of high resolution material.

## Compatible with multiple disc types

- Playback of commercial HD DVD video disc, DVD video, and Audio CD
- Playback of DVD-RW (disc recorded in DVD VR mode or DVD video mode), and DVD-R
- Playback of CD-RW and CD-R (Audio CD of CD-DA format only; playback of MP3, WMA and other non-CD-DA audio formats are not supported.)

Because HD DVD is a new format, disc compatibility issues with new and existing format discs are possible. Not all discs are compatible. If you experience compatibility problems, please contact Toshiba Customer Service.

Blu-ray Discs cannot be played on this player.


## Internet connection feature (LAN port)

- Some HD DVD discs enable you to access special HD DVD sites. If an HD DVD site includes content such as movie trailers, you can watch the content on the player via the Internet if your internet connection provides sufficient bandwidth.

## HD output jacks

- An HDMI jack for connecting a single cable to output video and audio signals
- Component jacks

## Compatibility notes

- For compatibility, see  page 28.

## Certain system requirements

For high definition video playback:

- HD display (some discs may require HDCP capable input)
- HD DVD disc with HD content

For Dolby® Digital Plus and Dolby TrueHD multi-channel audio playback:

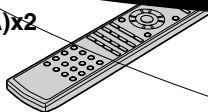
- A/V Receiver with HDMI™ multi-channel LPCM capable audio input and 5.1 channel speaker setup.

## Important notes

Viewing high-definition content and up-converting DVD content may require an HDCP capable DVI or HDMI input on your display device. Because HD DVD is a new format that makes use of new technologies, certain disc, digital connection and other compatibility and/or performance issues are possible. This may, in rare cases, include disc freezing while accessing certain disc features or functions, or certain parts of the disc not playing back or operating as fully intended. If you experience such issues, please refer to the FAQ sections of [www.toshibahddvd.com](http://www.toshibahddvd.com) or [www.tacp.toshiba.com](http://www.tacp.toshiba.com) for information on possible



Batteries  
(AAA)x2



**Caution**

- Do not use this power cord with any device other than this player.



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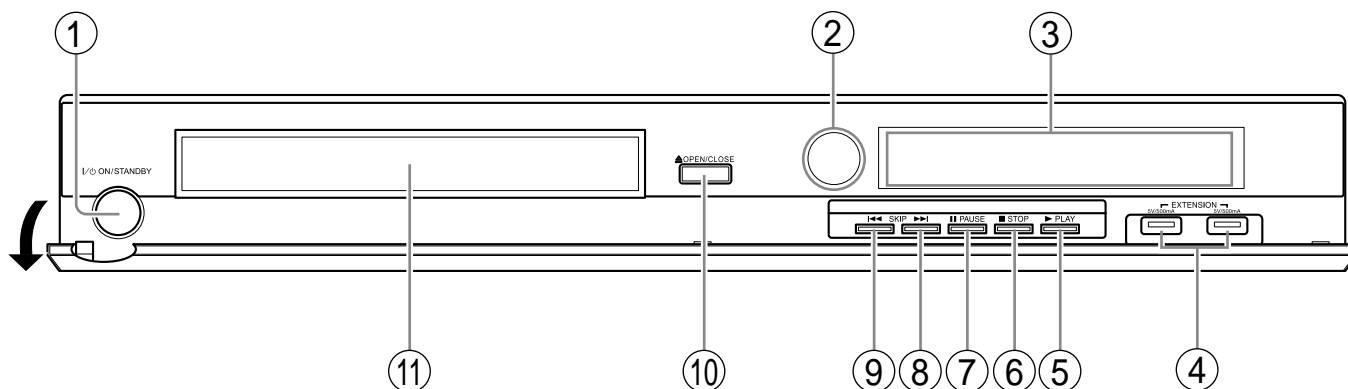
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# Index to parts and controls

See pages with arrows for details.

## Front panel



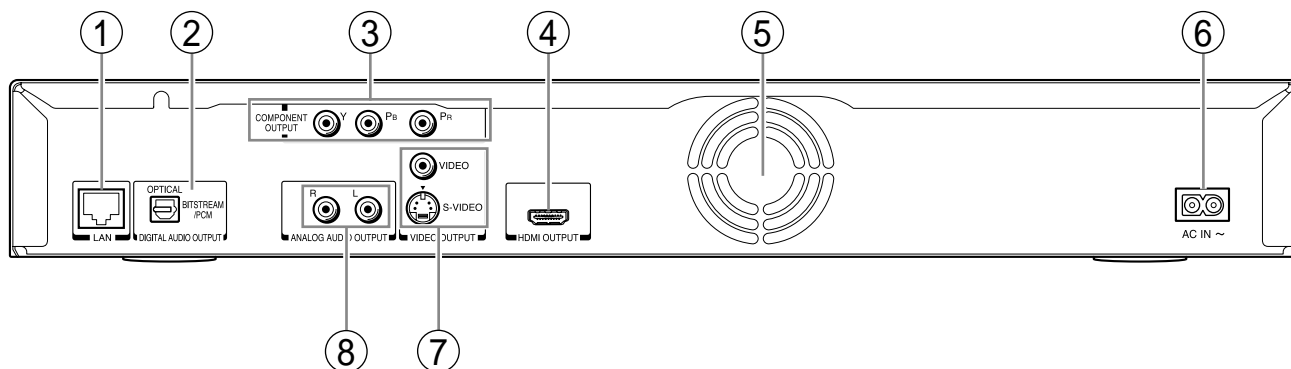
\* The above illustration displays the front panel with the cover open.

### Note

- Do not place a heavy object on the cover while it is open. Doing so may damage the player.

- |  |   |
|--|---|
| <p>① <b>ON/STANDBY button / ON/STANDBY indicator</b><br/>           ➡ page 30<br/>           Turns the power on/restores the unit to the standby mode.</p> | <p>⑧ <b>▶▶ (SKIP) button</b> ➡ page 35<br/>           Skips to the next chapter or track.</p>     |
| <p>② <b>Remote sensor</b> ➡ page 16</p>  | <p>⑨ <b>◀◀ (SKIP) button</b> ➡ page 35<br/>           Skips to the previous chapter or track.</p> |
| <p>③ <b>Front panel display</b> ➡ page 14</p>  | <p>⑩ <b>OPEN/CLOSE button</b> ➡ page 30<br/>           Opens and closes the disc tray.</p>        |
| <p>④ <b>EXTENSION ports</b> ➡ page 39</p>  | <p>⑪ <b>Disc tray</b> ➡ page 30<br/>           Loads a disc into the disc drive.</p>              |
| <p>⑤ <b>▶ (PLAY) button</b> ➡ page 31<br/>           Starts playback.</p>  |   |
| <p>⑥ <b>■ (STOP) button</b> ➡ page 31<br/>           Stops playback.</p>   |   |
| <p>⑦ <b>   (PAUSE) button</b> ➡ page 31<br/>           Stops playback momentarily.</p>   |   |

## Rear panel



### ① LAN port ➔ page 44

Use this to connect to a network with an always-on broadband connection.

### ② DIGITAL AUDIO OUTPUT BITSTREAM/PCM OPTICAL jack ➔ page 24

Outputs digital audio signals.

Connect to a digital audio input on an amplifier equipped with digital audio decoder.

When connecting the optional digital cable, fit the connector into the jack firmly.

### ③ COMPONENT OUTPUT jacks ➔ page 22

Outputs video signals to a connected TV or monitor.

Connect to a TV or monitor equipped with component video jacks.

### ④ HDMI OUTPUT jack ➔ page 21

Outputs video/audio signals to a connected TV, monitor or AV amplifier.

Connect to a TV, monitor or AV amplifier equipped with HDMI input.

### ⑤ Ventilation fan

Do not cover the ventilation holes.

### ⑥ AC IN socket ➔ page 21, 22

Connect the supplied power cord.

### ⑦ VIDEO OUTPUT (VIDEO, S-VIDEO) jack ➔ page 22

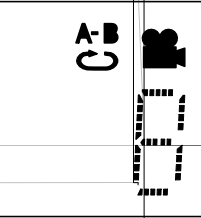
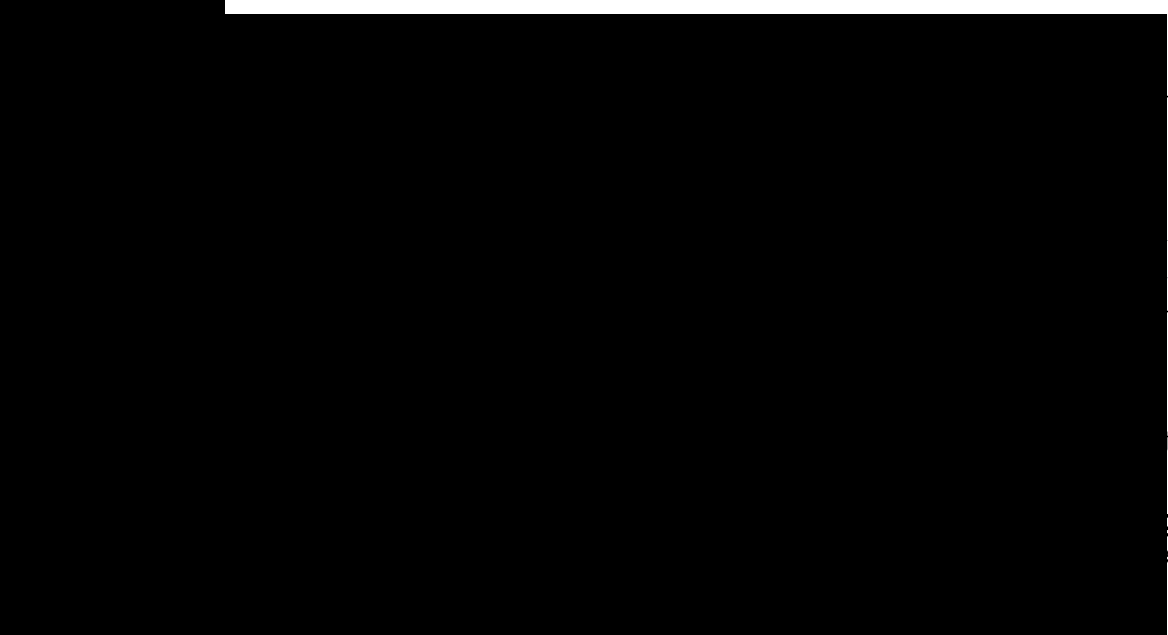
Outputs video signals to a connected TV or amplifier.

### ⑧ ANALOG AUDIO OUTPUT jacks ➔ page 22

Outputs audio signals to a connected TV or AV amplifier.

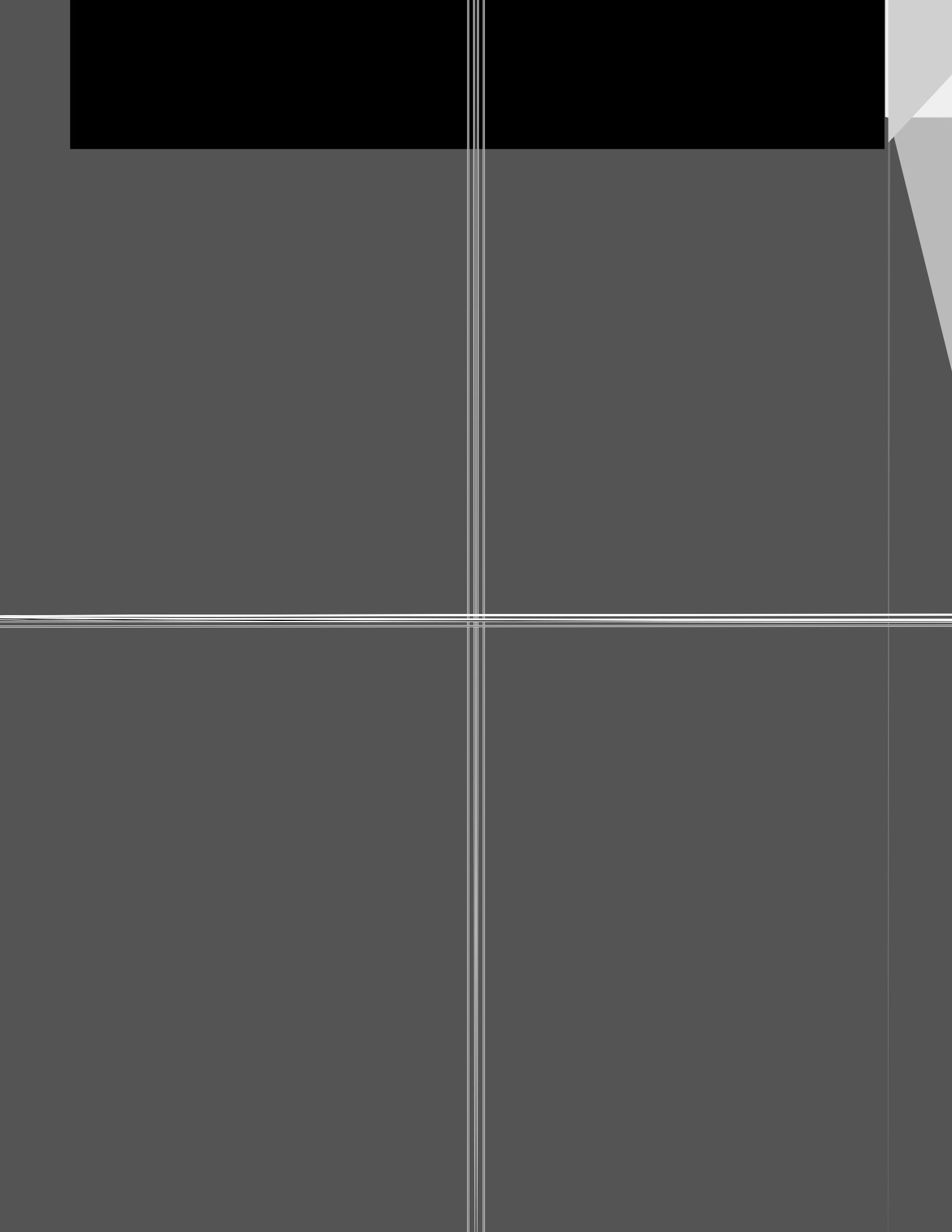
Index to parts and controls (Continued)

**Display**



total playing time of the disc

**g) indicator**  
remaining playback time is



## 1 Open the cover.

## 2 Insert batteries.

- Use 2 batteries (AAA sizes).
- Make sure to match the + and – on the batteries to the marks inside the battery compartment.

## Close the cover.

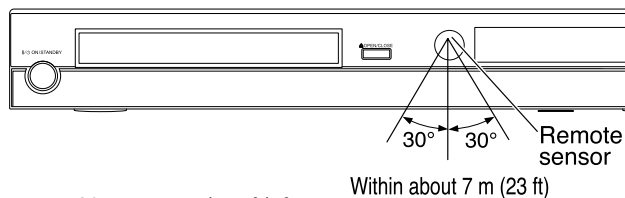
### Notes

- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not disassemble the remote control.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind.
- Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace all batteries with new ones.
- When necessary to replace batteries in the remote control, always replace all batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Be sure to use AAA size batteries.
- Always remove batteries from remote control if they are dead or if the remote control is not be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

### Caution

- Never throw batteries into a fire.

Point the remote control at the remote sensor and press the buttons.



**Distance:** About 7 m (23 ft) from the front of the remote sensor

**Angle:** About 30° in each direction of the front of the remote sensor

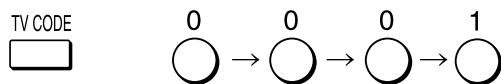




## Programming for TV control


**1** While holding , press the number buttons to enter a corresponding brand code (see below) of your TV.

e.g. To enter 0001



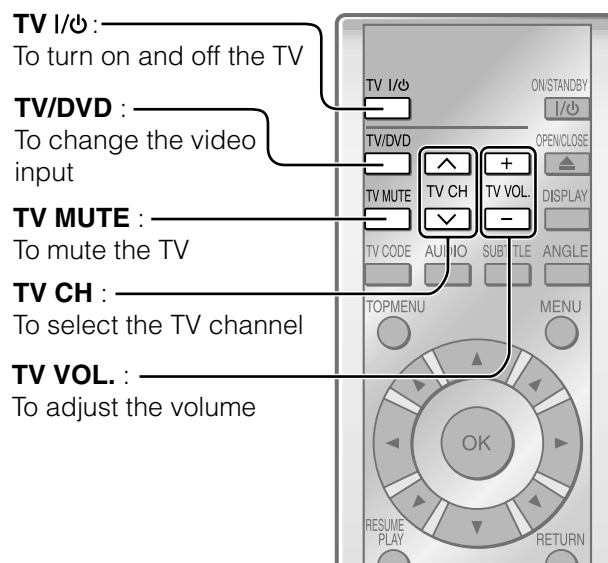
Hold down.

- Some brands have several codes. Try one by one until the remote control can operate your TV.

**2** Release .  
The brand code is memorized.

## Operating your TV with the remote control

Point the remote control to your TV after you have entered the brand code. Operate your TV with the buttons below.



### Notes

- For some TVs, pressing the volume button once may change the volume by more than one level.
- Even after the player's remote control is programmed, it may not operate some or all of the features on your other device.

If this happens and you wish to use those features, you will need to use the device's original remote control.

### Notes

- TOSHIBA code is already set when you operate this player for the first time.
- When replacing the batteries of the remote control, re-enter the brand code of your TV.

### Brand code table

Brand name	Brand code					
Toshiba	0001	0021	0071	0411	0431	0831
	0841	0851	0881	1341	1611	1621
	1681	1781	1951	2121	2461	2491
	4071	4371	5951	5971	6041	6101
	6111	6121	6131	6141		
Bell & Howell	0081	0431				
	0051	0381	0471	0551	0621	0851
Citizen	1561					
	0051	0391	0431	0531	0621	0851
Curtis Mathes	1521	1561				
	0051	0111	0121	0141	0151	0161
Emerson	0201	0211	0351	0381	0431	0521
	0561	0571	0621	0691	1241	1291
	1371	1561	2481	4871		
	0251	0401	0431	1151	2451	2461
	0001	0041	0051	0091	0181	0321
Fisher	0371	0391	0591	0621	0711	0741
	1041	1471	1521	2481	4691	4881
	4891					
GE						

Brand name	Brand code					
Goldstar	0051	0061	0161	0231	0451	0501
	0621	0661	0771	0961	1431	1561
	2491					
Hitachi	0031	0051	0161	0191	0301	0601
	0621	0641	0671	0811	0821	0951
	1011	1061	1241	1361	1651	1711
	1731	1741	1751	1761	2041	2051
	2131	2381	4121	4731	4901	4911
	4921	4931	4941	4951	4961	5631
	0631					
Infinity	0631					
	0101	0161	0191	0241	0331	0511
	0561	0601	0741	0991	1321	1421
	2161	2171	4341	4351	4701	4711
	4721	4741	4751	4761	4771	4781
	4791	4801	4811	4971	4981	4991
	5001	5011	5021	5031	5041	5051
	5061	5071	5081	5091	5101	5111
	5121	5131	5141	5151	5161	5171
	5181	5191	5201			
	JBL					
	JVC					

(Continued)

## Preparation of the remote control (Continued)

Brand name	Brand code					
LXI	0311	0391	0411	0431	0621	0631
	0881	1041	1171	1521	2491	
Maganvox	0051	0271	0291	0341	0361	0421
	0551	0621	0631	0661	0971	0981
	1131	2221	5221	5231	5241	
Marantz	0051	0481	0621	0631	0641	2491
Memorex	0081	0431	0501	0621	2491	4421
	5251					
MGA	0051	0251	0261	0371	0501	0621
	0661	0761				
Mitsubishi	0051	0251	0261	0281	0371	0491
	0501	0621	0661	0761	2231	2241
	5261	5271				
MTC	0051	0501	0621	0851		
NAD	0311	0411	0621	0881	1061	
Optonica	0541	1101				
Panasonic	0631	0711	0741	1271	1351	1401
	1501	1701	1791	1801	2111	2151
	2301	2321	4101	5281	5291	5301
	5311	5321	5331	5341	5351	5361
	5371	5381	5391	5661		
Philco	0051	0161	0271	0291	0361	0421
	0501	0551	0621	0631	0661	0711
Philips	0051	0161	0271	0321	0361	0421
	0461	0551	0631	0661	0711	2141
	2351	5401	5411	5421	5431	5451
	5461	5471	5481	5491	5501	5531
	5541	5551	5601	5621		
Pioneer	0051	0621	0681	0721	0751	1061
	1241	1581	1971	4081	4111	
Proton	0051	0161	0621	0651	2491	
Quasar	0711	0741	0801	1401	2281	5651
	5661					
Radio Shack	0431	1521	2481			
Radio Shack/Realistic	0051	0161	0381	0391	0431	0541
	0621	1431	1561			
RCA	6641	0001	0051	0221	0391	0501
	0621	0661	0711	0871	0911	0921
	0941	1001	1041	1071	1091	1181
	1211	1241	1301	1461	1491	1521
	1531	2291	2481	4361	5671	5681
	5691	5701	5711	5721		








Brand name	Brand code					
Realistic	0431	1521				
Runco	0011					
Samsung	0051	0161	0501	0531	0621	0661
	0851	0931	1021	1141	1431	1561
	1591	1601	1771	1811	1821	1831
	1841	1851	1861	1931	2081	2101
	2311	4011	4061	5731		
Sanyo	0051	0261	0401	0431	0791	0901
	1151	2461				
Sears	0051	0151	0191	0251	0311	0331
	0391	0401	0411	0431	0621	0661
	0881	1041	1081	1151	1481	1521
	2461	2481				
Sharp	0051	0111	0161	0351	0541	0581
	0611	0621	0731	0891	1101	1561
	1721	1871	1881	1941	2181	2341
	5741	5751	5761	5771		
Sony	0441	1111	1231	1511	2401	2411
	2431	1891	1901	2061	2421	5781
	5791	5801	5811	5821	5831	5841
	5851	5861	5871	5881	5891	5901
	5911					
Soundesign	0051	0151	0381	0551	0621	2481
Sylvania	0051	0071	0271	0291	0341	0361
	0421	0551	0621	0631	0661	0861
	1441	2191	2201	4151	4441	5921
	5931					
Tandy	1101					
Technics	0741					
Teknika	0051	0081	0151	0161	0191	0341
	0381	0471	0501	0551	0621	0851
	1271	1401	1561	2481		
Wards	0051	0081	0141	0151	0181	0211
	0271	0321	0341	0361	0391	0421
	0501	0541	0621	0631	0661	1051
	1521	2491				
Zenith	0011	0051	0081	0781	1281	1571
	2091	2211	2251	2361	2391	2441
	4821	4831	4841	4851	6151	6161
	6171	6181				

## Hint on reading this manual

## Icons for function applicability

The following icons are used in this manual to indicate features and/or functions that are applicable to various types of discs.

(For disc compatibility information, see  page 28.)

Icon	Disc	Icon	Disc
	HD DVD video disc		Audio CD
	DVD video disc		CD-RW (CD-DA format)
	DVD-RW		CD-R (CD-DA format)
	DVD-R		

## Instructions and actual buttons

Most instructions are based on remote control operation, unless otherwise noted. You can use the buttons on the remote control and those on the main unit as well when they have the same function. Some functions are available only from the remote control.

# 2 Connections

Connect your player to your A/V system.

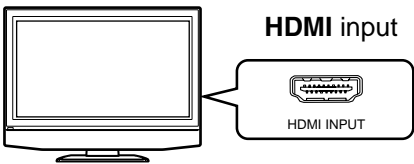
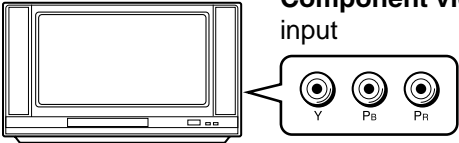

Connecting to a TV

Connecting to an audio system

# Connecting to a TV

## *Step 1* Check the type of video input on your TV.

To view high definition content, use the **HDMI OUTPUT** jack or the **COMPONENT OUTPUT** jacks to connect to a TV. Some discs may require use of the **HDMI OUTPUT** jack for viewing of high resolution material.

TV input	High definition video	Page
 <p><b>HDMI input</b></p> <p><b>Most recommended*</b></p>	<p><b>Viewable.</b> To view 1080p output, make this connection.</p>	<b>21</b>
 <p><b>Component video input</b></p>	<p><b>Viewable.</b> (Some discs may be down converted or require <b>HDMI connection.</b>) Not compatible with 1080p. To view 1080p output, select HDMI connection.</p>	<b>22</b>
 <p><b>S-VIDEO or VIDEO (yellow) input</b></p>	<p><b>Down converted.</b> (Some discs may require <b>HDMI connection.</b>)</p>	<b>22</b>

### \*Why HDMI connection is most recommended?

HD DVD and DVD video disc creators have the option to include copy protection instructions in their discs that prohibit the output of some standard video or high definition video (original 720p, 1080i or 1080p or up-converted 480i or 480p) from the **COMPONENT OUTPUT** jacks. If such instructions are present in the disc you are playing, you must use the **HDMI OUTPUT** jack to view the disc in a high definition format and the **COMPONENT OUTPUT** jacks, if activated, will output video only in 480i or 480p resolution.

### Caution on connection

- Do not power this player using any power cord other than the one supplied with this player.
- Do not use the supplied power cord with any device other than this player.

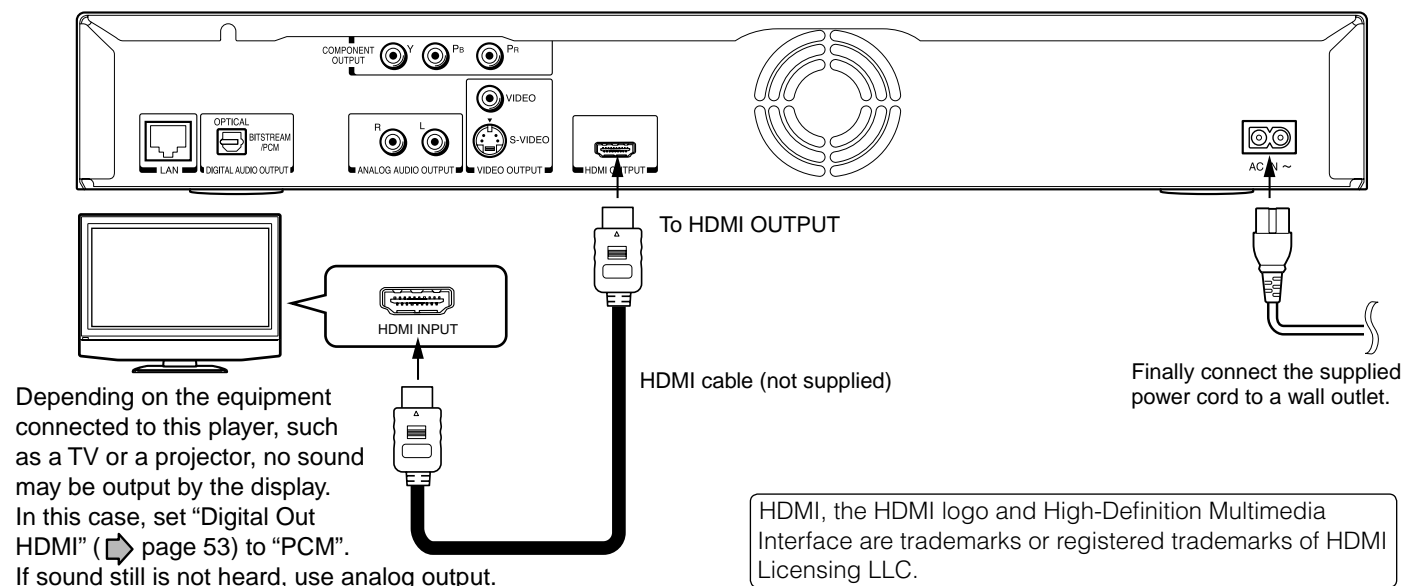
### Notes on connection

- When you connect the player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- Connect the player directly to your TV. If you connect the player to a VCR, TV/VCR combination, video selector or AV amplifier, the playback picture may be distorted due to copy protection.

## Step 2 Connect the player to your TV.

### Via HDMI input

**HDMI stands for High Definition Multimedia Interface. HDMI transfers digital audio and uncompressed digital video on a single cable. As a result, audio cables and video cables don't need to be connected separately to a device.**



This player supports simultaneous output of video on its HDMI and component video ports. However, some discs may restrict output of video on the component video ports when viewing high definition content or up-converted DVD content. The resolution on the HDMI output will be the same as the resolution output on the component video output. Thus, because the HDMI output can change automatically to match the maximum available resolution of your display, if you connect both the HDMI output and component output, the resolution on the component output will change if the HDMI output auto-adjusts.

**After completing the connection, proceed to ▶ page 23 to make the setting.**

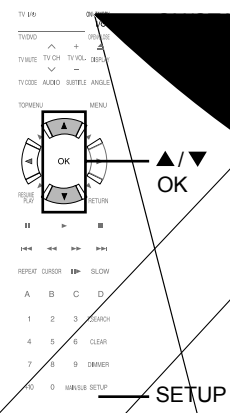
#### Notes

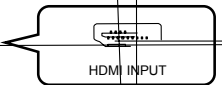
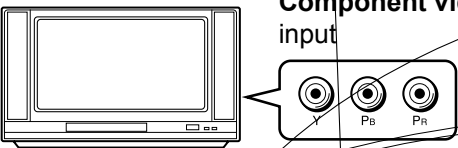
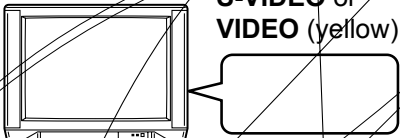
- Refer to the owner's manual for the TV to be connected to this player for more information concerning HDMI connections.
- When the HDMI connection is not verified, an error message appears on the front panel display. In this case, disconnect the HDMI cable then connect it again, or turn off the connected HDMI device then turn it on.
- HDMI output is digital only, DVI analog is not supported.
- HDMI is an evolving technology, so it is possible that some devices may not operate properly with this player.
- To get the most possible benefit from Dolby Digital Plus, you should connect your HD DVD player to your AV receiver using its HDMI input. If your AV receiver has this type of input, make sure it is connected to your HD DVD player and that the input is set to use audio from HDMI (and not the SPDIF coaxial or optical input). If your AV receiver does not have an HDMI input, then the next best choice is to use the SPDIF (coaxial or optical) input on your AV receiver.
- If you use the SPDIF optical output or analog outputs to connect your audio system and have the "Digital Out HDMI" (▶ page 53) set to "Auto" or "PCM", the audio output level from these jacks will be reduced when listening to a multi-channel disc. To restore the audio output level, set "Digital Out HDMI" to "Downmixed PCM".



- 1 Turn on the TV and select the input to which the player is connected.
- 2 Press **ON/STANDBY** to turn on the player (⇨ page 30).
- 3 Press **SETUP** to display "SETUP MENU", if not displayed.

- 4 Press **▲ / ▼** to select "Picture" then press **○**
- 5 Press **▲ / ▼** to select "Resolution Setting"
- 6 Press **▲ / ▼**

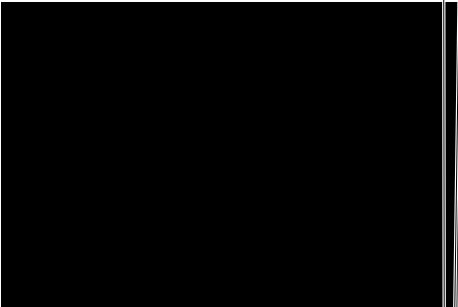


TV input	"Resolution Setting"
<p><b>HDMI input</b></p>  <p>HDMI INPUT</p>	<p>Select the resolution.</p>
<p><b>Component video input</b></p> 	<p>Select the resolution according to the performance of the connected TV.</p>
<p><b>S-VIDEO or VIDEO (yellow) input</b></p> 	<p>"Resolution Setting" selection is not necessary.</p>

# Connecting to an audio system

You can enjoy the benefits of Dolby Digital Plus or Dolby TrueHD by connecting the HDMI output of the receiver to an AV receiver with an HDMI audio input. You can listen to down-converted Dolby Digital, Dolby TrueHD as well as Dolby Digital and DTS using a receiver with Dolby Digital and DTS decoding capabilities and an optical digital input.

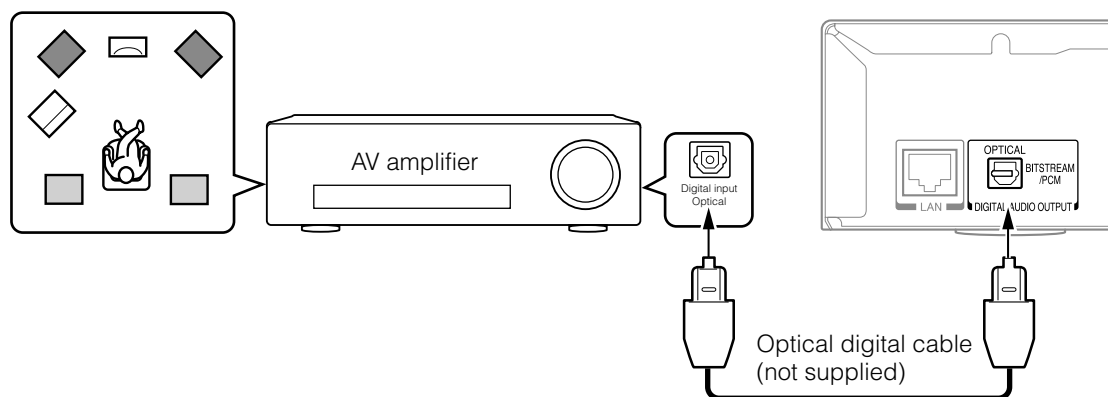
## Via HDMI output



**Caution**

- When you are connecting (via the HDMI OUTPUT jack) an AV decoder that does not have Dolby Digital or DTS decoding capability, be sure to set “Digital Out HDMI” (➔ page 53) to “PCM” or “Downmixed”. Otherwise, high volume sound may damage your hearing as well as the speakers.

## Via optical digital audio output



**Caution**

- When you are connecting (via the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack) an AV decoder that does not have Dolby Digital, DTS or MPEG decoding capability, be sure to set “Digital Out SPDIF” (➔ page 53) to “PCM”. Otherwise, high volume sound may damage your hearing as well as the speakers.

**Note about audio capabilities**

- Dolby Digital Plus and DTS-HD (DTS core only) capability limited to 5.1 channels.
- DTS-HD processing of DTS core only. Full DTS-HD is not supported.



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# 3 Playback (Basic)

Play your favorite disc.

Disc compatibility

Powering on/Loading a disc

Playing a disc

Playing at various speeds

## Recordable discs you can play on this player



• DVD-R DL • DVD VR mode recording  
(CPRM compatible discs supported)


- DVD Video mode recording
- DVD-R
- 4.7GB For General  
Finalized discs only.

➡ page 8 for more information about disc compatibility.

## Compatibility notes

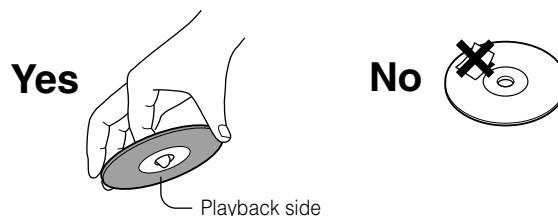
- Because HD DVD is a new format that makes use of new technologies, certain disc, digital connection and other compatibility and/or performance issues are possible. This may, in rare cases, include disc freezing while accessing certain disc features or functions, or certain parts of the disc not playing back or operating as fully intended. If you experience such issues, please refer to the FAQ sections of [www.toshibahddvd.com](http://www.toshibahddvd.com) or [www.tacp.toshiba.com](http://www.tacp.toshiba.com) for information on possible work-around solutions or the availability of firmware updates that may resolve your problem, or contact Toshiba Customer Solutions.
- Viewing high-definition content and up-converting DVD content may require an HDCP-capable DVI or HDMI input on your display device.
- Some HD DVD discs and/or DVD discs may restrict the use of some operation commands or features.
- Dolby Digital Plus, Dolby TrueHD and DTS support for up to 5.1 channels (DTS-HD support for DTS core only). Full DTS-HD is not supported.
- Some DVD-R/DVD-RW and CD-R/CD-RW discs may be incompatible due laser pick-up and disc design. CD-R/CD-RW discs must be recorded using CD-DA method for CD audio playback.
- In some cases, the included remote control may not operate additional devices or certain features of such devices, in which case, it is suggested that you use the original remote control for the applicable device.
- Some features subject to delayed availability.
- This product includes memory that is used to store some disc related information, including downloaded online content. The disc you are using will control how long this information is retained.

### Note

- The firmware in this player can be updated.  
See  page 58 for details.

## On handling discs

- Do not touch the playback side of the disc.
- Do not stick paper or tape to discs.



## On cleaning discs

- Fingerprints and dust on the disc may cause picture and/or sound deterioration or prevent playback. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.
- Refer to the instructions of the disc as well.

## On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.
- Refer to the instructions of the disc as well.









## Selecting the sound

HD DVD

DVD-Video

DVD-RW

DVD-R

If a disc contains several languages, you can select a preferred language from them to hear.



**Playing a disc (Continued)****Selecting subtitles**

HD DVD | DVD-Video

You can display subtitles on the TV and select a subtitle language from those included on the disc.

**1** Press **SUBTITLE** during playback.

The current subtitle setting appears.

e.g.



Some HD DVD video discs may not display this window.

A language code (▶ page 59) may appear.

Each time you press ◀▶, “On” and “Off” alternate. Select “On” to view subtitles.

**2** Press **SUBTITLE** while the subtitle setting is displayed on the TV screen.

Subtitle languages which do not appear in the setting are not included in the disc.

**Notes**

- Some discs are set to display subtitles automatically.
- Depending on the scene, subtitles may not appear immediately after you set the subtitle function to on.
- Some discs will allow you to change subtitle languages and turn subtitles on or off only via the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting (▶ page 54). Depending on a disc, a specific type of subtitles the disc has is output.
- Depending on the scene, the subtitle language may not change immediately after selected.

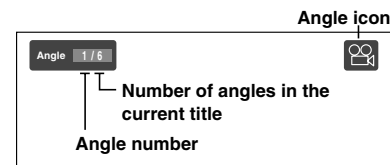
**Selecting the camera angle**

HD DVD | DVD-Video

If the scene was recorded with multiple angles, you can easily change the camera angle of the scene you are watching.

**1** Press **ANGLE** while playing a scene recorded with multiple angles.

While playing a scene recorded with multiple angles, the angle icon appears on the TV screen and on the front panel. Press ANGLE button while the angle icon is displayed.



Some HD DVD video discs may not display this window.

**2** While the angle number is displayed, press **ANGLE** repeatedly to select the angle number.**Notes**

- You can also change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.

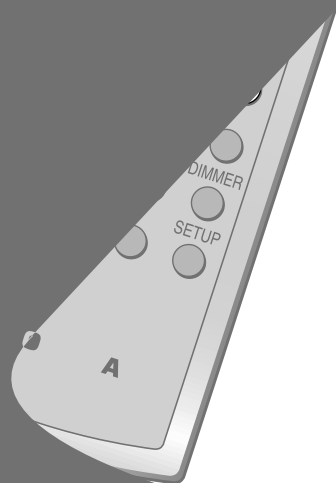
Connections

Playback  
(Basic)

Playback  
(Advanced)

Internet  
connection

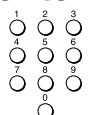


Others



Normally titles, chapters, and tracks are numbered. By entering these numbers, you can access a desired section.

**1** Press  repeatedly to select the area you want to input.

**2** Press the number buttons to enter a number of the section.


 e.g. To enter chapter/track 25:  
 Press , then press .

- Pressing CLEAR resets the numbers. To turn off the display, press T.SEARCH several times (depending on the disc).

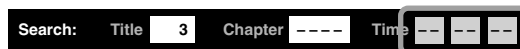
**3** Press .

Playback starts from the selected section.

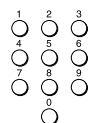
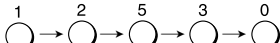
Press .

You may have to press repeatedly, depending on a disc. Press the button until the cursor moves to "-- -- --" area.

e.g.




**Press the number buttons to enter the desired time location on the disc.**



 e.g. To enter 1 hour, 25 minutes, and 30 seconds  


- Pressing CLEAR resets the numbers.

Press .

**You can resume playback from the location last stopped.**

If you press  after stopping playback, playback starts from the location last stopped.

If you press  after stopping playback, the resume feature is canceled.

# 4 Playback (Advanced)

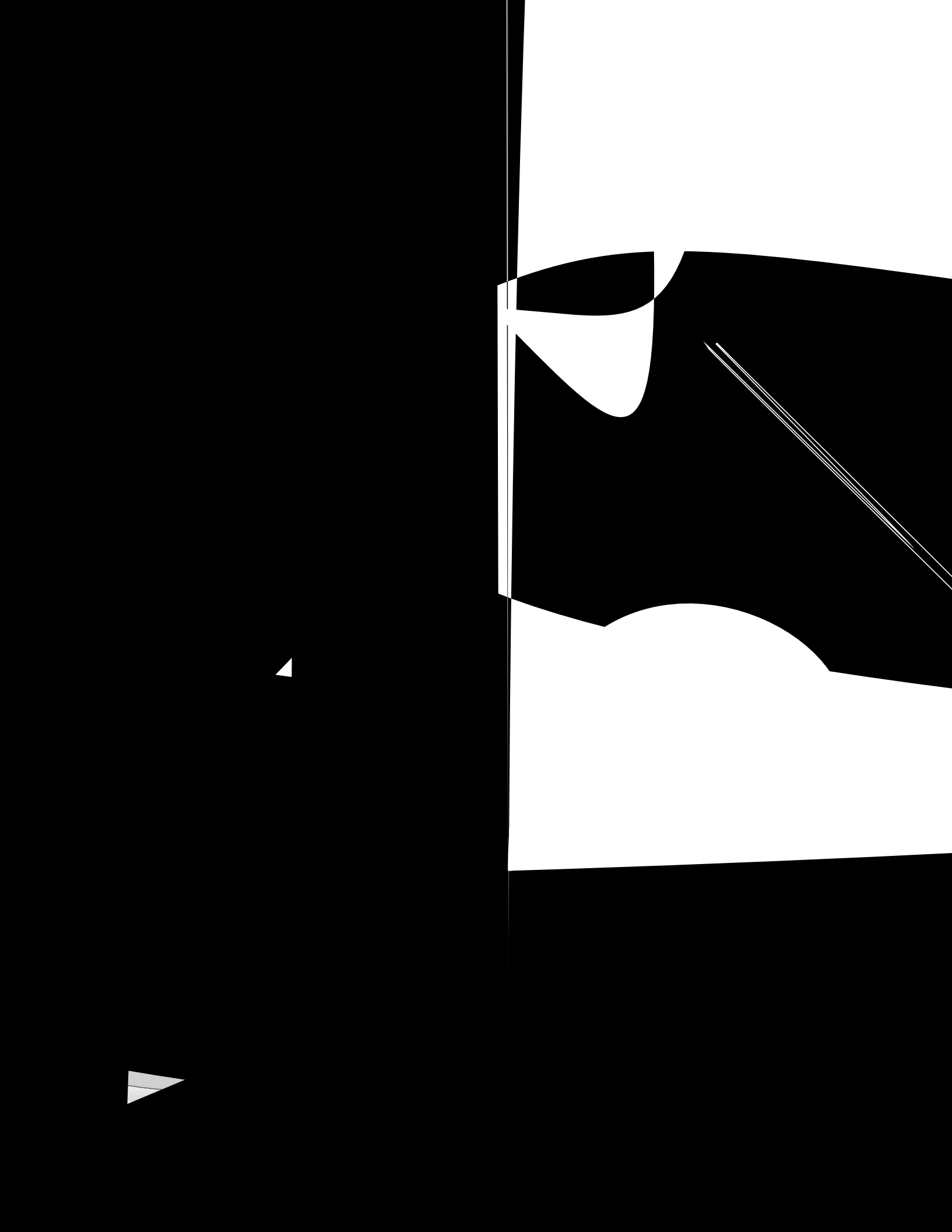
Playback variations and other functions.

Repeat playback

EXTENSION ports

Using the cursor function

Checking the current status and settings



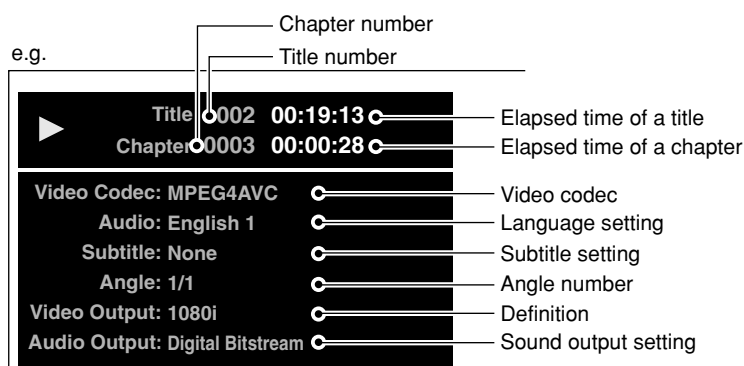
EXTENS

# Checking the current status and settings

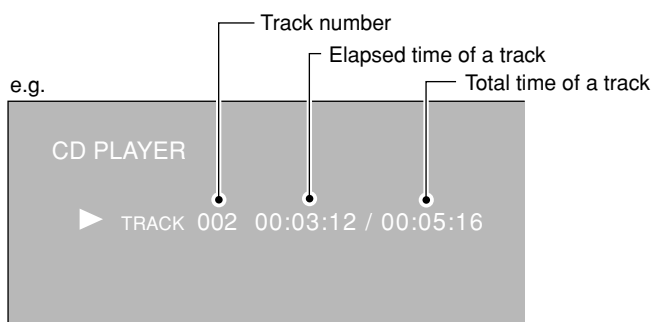
1

Press .

The following on-screen display appears.  
(The actual display varies depending on the disc.)



\*The subtitle setting shows a language code (➡ page 59).





# 5 Internet connection

Connect to a network with an always-on broadband connection and use special content.

Internet connection feature (Outline)

Internet connection feature (Preparation)

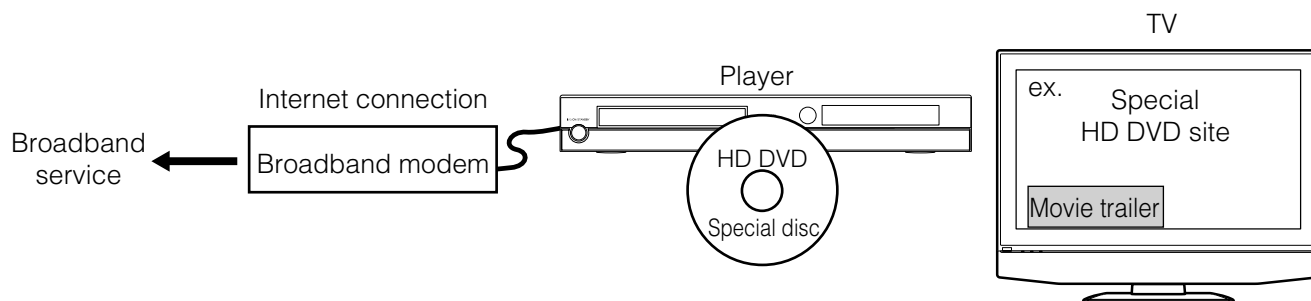
Internet connection feature (Operation)

# Internet connection feature (Outline)

You may use the internet connection feature to update the player's firmware. See [page 58](#).

Future HD DVD discs may enable you to access special HD DVD sites, if you connect the player to the Internet via an always-on broadband connection. For example, if an HD DVD site includes content such as links to future movie trailers, you can watch the content on the player via the Internet.

You do not need to connect to a PC to use this function.



## Before using

- Before using this feature, please read and understand the important information in "Notes".
- This feature requires an always-on broadband internet connection.
- An HD DVD disc compatible with this feature is required. Not all HD DVD discs are compatible.

## Connection requirement

Always-on broadband internet connection.

## Notes

- Toshiba is not responsible for any malfunction of the player and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- Toshiba is not responsible for any trouble in your internet connection.
- If you wish to use a wireless network to connect the player, you will need to use a wireless LAN ethernet adapter to connect the player to the network.
- The features of HD DVD discs made available through the Internet Connection feature are not created or provided by Toshiba, and Toshiba is not responsible for their functionality or continued availability. Some disc related material available by the Internet Connection may not be compatible with this player. If you have questions about such content, please contact the producer of the disc.
- Some internet contents may require a higher bandwidth connection.

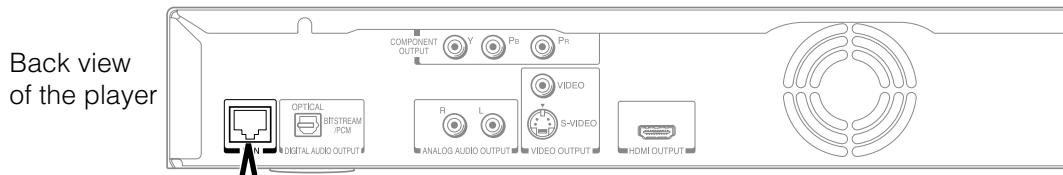
- Even if the player is properly connected and configured, some internet contents may not operate properly because of internet congestion, the quality or bandwidth of your internet service, problems at the provider of the content or compatibility issues.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.

# Internet connection feature (Preparation)

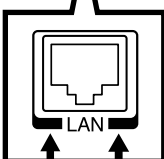
**HD DVD**

Connect the player to the Internet via an always-on broadband connection. In addition to accessing special HD DVD sites, this function is used when updates are available for the control program (firmware) of the player.

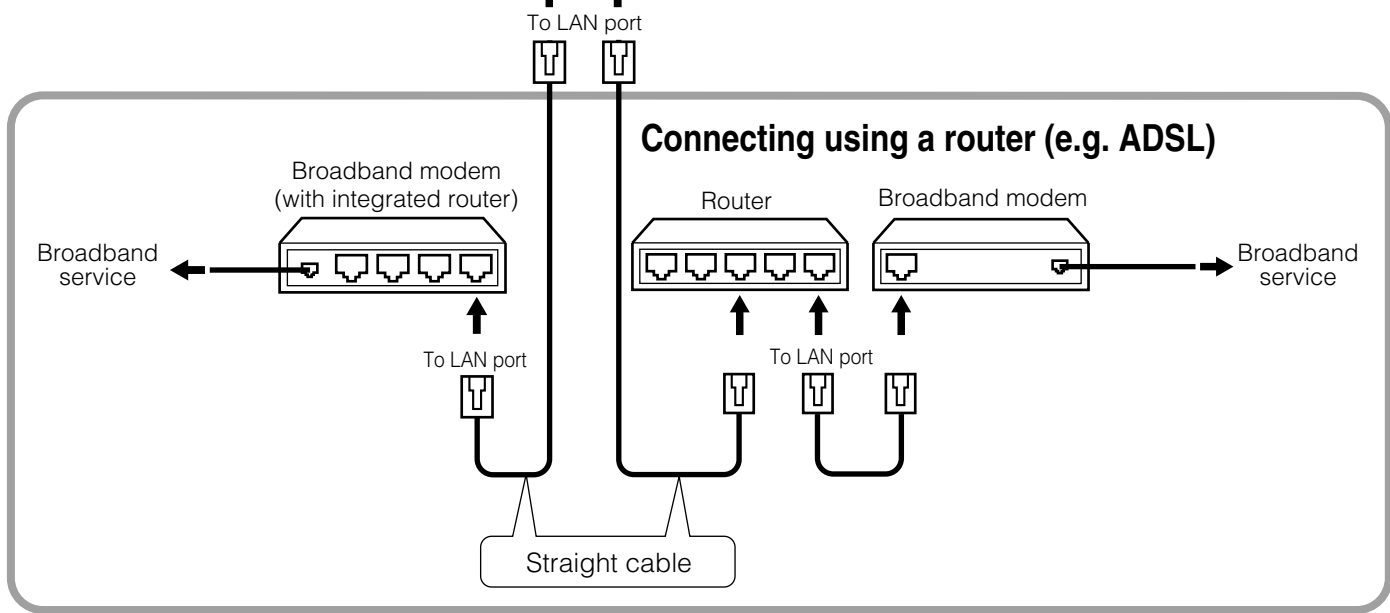
## Connection



Back view of the player

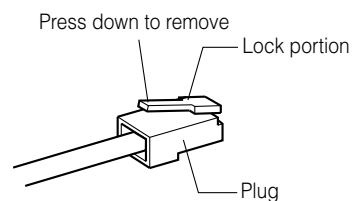


**Regarding the cable used:**  
Use a commercially available straight LAN cable (Category 5/CAT5 or better with RJ45 connector).



**Caution**

- When plugging or unplugging the LAN cable, hold the plug portion of the cable. When unplugging, do not pull on the LAN cable but unplug while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.



**Note**

- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.

## Internet connection setting procedure (Outline)

**1st DHCP setting**

- Set "DHCP" to "On".  
The network information is automatically set.
- Set "DNS" to "On".  
The DNS server is obtained automatically from the DHCP server.

If a connection cannot be established even if "DHCP" is set to "On".

- Set "DHCP" to "Off".  
Set "IP Address", "Subnet Mask", and "Gateway" manually.
- Set "DNS" to "Off".  
Set the DNS server address manually.

**2nd Proxy setting**

If the provider you are using requires a proxy setting to be configured, set the corresponding proxy server address.

**3rd NTP Server setting**

The player automatically accesses an internet server to adjust its clock via the network time protocol.

**4th Network Speed setting**

Select the speed according to the specification of your LAN.

**5th Cookie setting**

Select whether you accept "cookies" or not.

**1st DHCP setting**

- 1 Press SETUP button.  
"SETUP MENU" appears.
- 2 Press ▲/▼ buttons to select "Ethernet", then press OK button.
- 3 On "Ethernet" menu, press ▲/▼ buttons to select "DHCP" then press OK button.
- 4 Set "DHCP" to "On", then press OK button.

The screenshot shows the DHCP settings menu. At the top, "DHCP" is set to "On" (indicated by a filled radio button). Below it, the fields for IP Address, Subnet Mask, and Gateway are all set to "0 . 0 . 0 . 0". The "DNS" option is also set to "On". The "DNS Server" field is set to "0 . 0 . 0 . 0". At the bottom, there are "Confirm", "OK", and "Cancel" buttons. A bracket on the right side of the IP, Subnet Mask, and Gateway fields points to a note: "Skipped when 'DHCP' is set to 'On'".

- 5 Set "DNS" to "On", then press OK button.

This screenshot is identical to the previous one, but now the "DNS" radio button is filled, indicating it is set to "On". The "DNS Server" field remains "0 . 0 . 0 . 0". The "Confirm" button is now highlighted, and the "OK" and "Cancel" buttons are visible below it. The note "Skipped when 'DHCP' is set to 'On'" is still present.

- 6 Select "Confirm", then press OK button.  
Confirming starts.  
If the setup is successful, an IP address appears.  
Press OK button.

***If the setup is not successful:***

- a) Set "DHCP" to "Off" then press OK button.
- b) Input the addresses into "IP Address", "Subnet Mask" and "Gateway" using the number buttons.

IP Address	This sets a different address within the same subnet of the PC on your network. e.g.: If the IP address of the PC is 192.168.1.10, set 192.168.1.15 (or some other unused address).
Subnet Mask	This sets the subnet mask of the network environment that will be connected. e.g.: 255.255.255.0
Gateway	This sets the gateway used by the player (e.g.: 192.168.1.1).

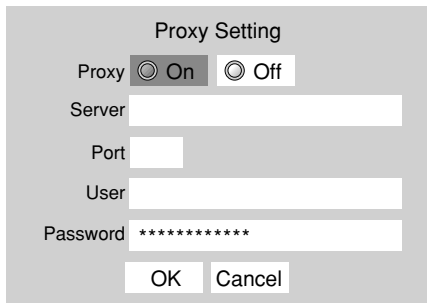
- c) Set "DNS" to "Off" then press OK button.
- d) Input the address into "DNS Server".  
This sets the DNS server to be used by the player.  
e.g.: 192.168.1.1
- e) Press OK button.

**Internet connection feature (Preparation) (Continued)**

**2nd Proxy Setting**

Enter the proxy server address when your provider requires proxy setting.

- 1 On "Ethernet" menu, press ▲/▼ buttons to select "Proxy setting" then press OK button.
- 2 Set "Proxy" to "On" then press OK button.



- 3 Press ▲/▼/◀/▶ buttons to input.
  - Server: Enter the specified data from the provider.
  - Port: Enter the specified data from the provider.
  - User: Enter the specified data from the provider.
  - Password: Enter the specified data from the provider.
- 4 Select "OK" then press OK button.

**3rd NTP Server setting (Clock adjustment setting)**

- 1 On "Ethernet" menu, press ▲/▼ buttons to select "NTP Server" then press OK button.
- 2 Select "On" or "Off" by pressing ▲/▼ buttons.

On	The player automatically accesses an internet server to adjust time protocol.
Off	The player does not access an internet server to adjust its clock.

- 3 Press OK button.

**4th Network Speed setting**

Select your network speed.

- 1 On "Ethernet" menu, press ▲/▼ buttons to select "Network Speed" then press OK button.
- 2 Select the speed by pressing ▲/▼/◀/▶ buttons.
- 3 Press OK button.

**5th Cookie Setting**

Select whether you wish to accept "cookies" or not.

- 1 On "Ethernet" menu, press ▲/▼ buttons to select "Cookie Setting" then press OK button.
- 2 Select "Accept" or "Not Accept" by pressing ▲/▼ buttons.

Accept	Cookies are accepted.
Not Accept	Cookies are rejected. This may disable some services on web pages.

- 3 Press OK button.

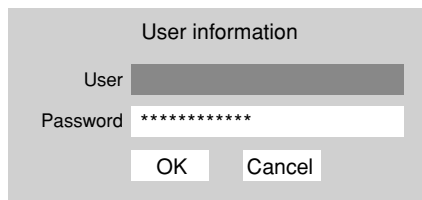
**Note**

- If you select to accept "cookies", the HD DVD internet services you use may record or track information about your use of the player and/or those sites. If you do not choose to allow cookies, some or all features of a site may not properly function.

**User information setting**

Although not directly related to the Internet connection, some HD DVD discs may require the following settings to be configured.

- 1 On "Ethernet" menu, press ▲/▼ buttons to select "User Information" then press OK button.



- 2 Select "User" then press OK button.
- 3 Input characters by pressing ▲/▼ buttons. To shift the position, press ◀/▶ buttons. Up to 16 characters can be input. Press OK button.
- 4 Select "Password" then press OK button. Input your password in the same manner as step 3. Up to 16 characters can be input. Press OK button.
- 5 Select "OK" then press OK button.
  - Use a password that others cannot easily guess.
  - Do not use the same password you use for other services.

**Mac Address**

Displays the MAC address of the player. It cannot be changed.

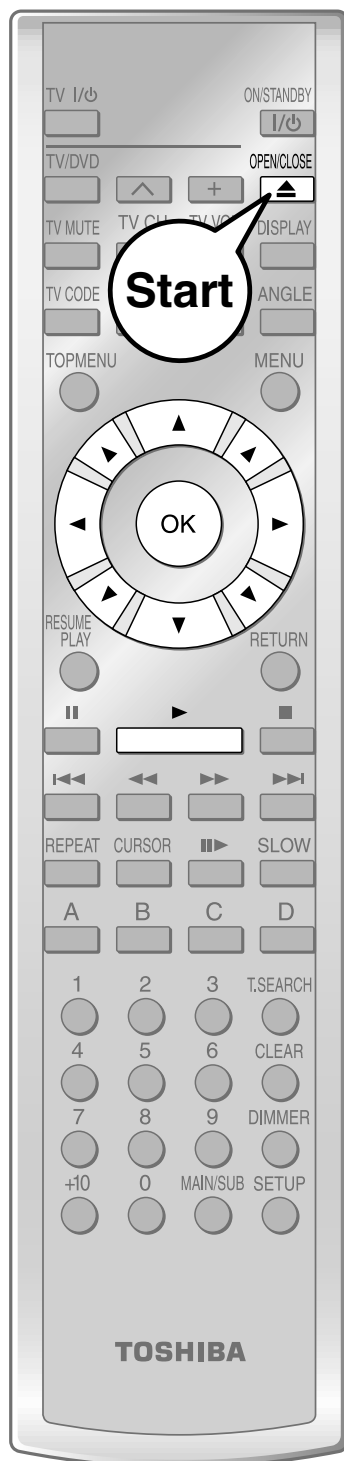
- 1 On "Ethernet" menu, press ▲/▼ buttons to select "Mac Address" then press OK button. The MAC address appears.

**Notes**

- Please contact the router manufacturer when the router DHCP feature is not operating properly (in such a case, an error will occur since the default gateway and the DNS server IP address cannot be obtained).
- The firmware in this player is updateable. See ⇨ page 58 for information.
- Some applications may require additional bandwidth.

# Internet connection feature (Operation)

## HD DVD



### Preparation



Connect and configure the player to access the Internet beforehand (➡ pages 44 to 46).


#### 1 Insert the HD DVD disc and close the tray.

The disc begins to play.

If the disc does not begin to play, press .

#### 2 Select an item from the menu.

- If the menu does not appear, press  or .

- To select an item, use the direction buttons to select the item and press .





# 6 Others

This chapter includes details on setting items and information on troubleshooting problems.

**Customizing the function settings**

**Language code list**

**Output sound conversion table**

**License information on the software used in the TOSHIBA HD DVD player**

**Before calling service personnel**

**Specification**

**Limited United States Warranty**


**Limited Canadian Warranty**

**INFORMATION ON CUSTOMER SUPPORT**


# Customizing the function settings




You can change the default settings to customize performance to your preference.

- 1** During stop, press . "SETUP MENU" appears.


---

- 2** Press **▲/▼** to select the group that contains a desired item, then press .

---

- 3** Press **▲/▼** to select the setting item, then press .


---

- 4** Refer to the explanations on pages beginning from 52, to change the selection by **▲/▼** or other buttons, then press .

---

- 5** Repeat step 3 and 4 to set other items if necessary.

---

- 6** Press . "SETUP MENU" disappears and the setting is completed.

Group	Setting	Disc				Details	Page
Picture	TV Shape	HD DVD	DVD-Video	DVD-RW	DVD-R	To select a picture size according to the aspect ratio of your TV.	52
		CD					
	Enhanced Black Level	HD DVD	DVD-Video	DVD-RW	DVD-R	To select the black level (0 IRE or 7.5 IRE).	52
	Picture Mode	HD DVD	DVD-Video	DVD-RW	DVD-R	To select the system of output signal corresponding to playback source. (Only when connected to a PROGRESSIVE TV.)	52
	Resolution Setting	HD DVD	DVD-Video	DVD-RW	DVD-R	To select the resolution of the player's output, according to the connected TV.	23
Audio	Digital Out SPDIF	HD DVD	DVD-Video	DVD-RW	DVD-R	To select the output sound format when connecting the DIGITAL AUDIO OUTPUT jack.	53
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
	Digital Out HDMI	HD DVD	DVD-Video	DVD-RW	DVD-R	To select the output sound format when connecting the HDMI OUTPUT jack.	53
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
	Dynamic Range Control	HD DVD	DVD-Video	DVD-RW	DVD-R	To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late-hour playback.	53
	Dialog Enhancement	HD DVD	DVD-Video	DVD-RW	DVD-R	To turn on or off a function that increases dialog volume of a disc playback.	53
Language	Disc Menu Language	HD DVD	DVD-Video			To select a preferred language for disc menus.	54
	Subtitle Language	HD DVD	DVD-Video			To select a preferred language for subtitles.	54
	Audio Language	HD DVD	DVD-Video			To select a preferred language for the sound track.	54
	On Screen Language	HD DVD	DVD-Video	DVD-RW	DVD-R	To select a preferred language for on-screen displays.	55
	CD	CD-RW (CD-DA)	CD-R (CD-DA)				
Ethernet		HD DVD				To set up internet connection feature.	45
General	Parental Lock	HD DVD	DVD-Video			To turn the parental lock function on or off.	56
	Clock Set	HD DVD	DVD-Video	DVD-RW	DVD-R	To set the clock of the player.	57
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
	OSD On/Off	HD DVD	DVD-Video	DVD-RW	DVD-R	To activate or deactivate the operational status display on the TV screen.	57
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
	Remote Controller Sound	HD DVD	DVD-Video	DVD-RW	DVD-R	To turn on or off the confirmation beeper announcing when each remote command is received.	57
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
Screen Saver		DVD-Video	DVD-RW	DVD-R	To turn on or off the screen saver (screen protection to prevent image burn).	57	
	CD	CD-RW (CD-DA)	CD-R (CD-DA)				
Maintenance		HD DVD	DVD-Video	DVD-RW	DVD-R	To reset player options to factory defaults or check for firmware updates.	58
		CD	CD-RW (CD-DA)	CD-R (CD-DA)			
	Twin Format Disc	HD DVD				To select the layer to play of an HD DVD Twin Format Disc. (Not available while a disc is loaded.)	58

**Customizing the function settings (Continued)****Picture****TV Shape****16:9**

Select when a 16:9 wide TV is connected.

**4:3**

Select when a standard 4:3 TV is connected.

Displays pictures cropped to fill your TV screen. Both of the picture's sides are cut off.

**4:3 Letter Box**

Select when a standard 4:3 TV is connected.

Displays theatrical images with masking bars above and below the picture.

**Notes**

- When an HD DVD disc or a DVD video disc has a particular available picture shape, the contents may not be compatible with other picture shapes.
- DVD video discs containing 4:3 picture only always display 4:3 pictures regardless of this setting.
- If "16:9" is selected while connecting a 4:3 TV, playback pictures may be distorted horizontally or shrink vertically. Make this setting according to your TV shape.
- Actual picture shape may depend on signal types of broadcasts or input sources, or settings on the connected TV. Refer to the owner's manual of your TV.

**Enhanced Black Level**

You can adjust the black level of the output signal.

**On**

To display deeper, richer black than in "Off" setting. (0 IRE)

**Off**

Normal black level. (7.5 IRE)

**Picture Mode**

There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

**Film**

The player converts film content pictures in the progressive output format appropriately. Suitable for playback of film content pictures.

**Video**

The player filters video signal, and converts it in the progressive output format appropriately. Suitable for playback of video content pictures.

**Auto**

Select this position normally. The player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.

**Note**

- The player may not be able to detect the source (film or video) of some material. If you notice undesirable picture performance, try selecting "Film" or "Video".

**Resolution Setting**

See ➡ page 23.

**Note**

- Actual effects of these settings may vary depending on performance of connected device.

Introduction

Connections

Playback  
(Basic)

Playback  
(Advanced)

Internet  
connection

**Others**



**Customizing the function settings (Continued)****Language****Disc Menu Language**

To select a preferred language for disc menus.

**English**

To display disc menus in English.

**French**

To display disc menus in French.

**Japanese**

To display disc menus in Japanese.

**German**

To display disc menus in German.

**Other**

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

- 1) Obtain the language code of the preferred language from the Language code list (➡ page 59).
- 2) Select the first character by pressing ▲/▼ buttons.
- 3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
- 4) Select “OK” and press OK button.

**Note**

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

**Subtitle Language**

To select a preferred language for subtitles.

**None**

To disable subtitles.

**English**

To display subtitles in English.

**French**

To display subtitles in French.

**Japanese**

To display subtitles in Japanese.

**German**

To display subtitles in German.

**Other**

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

- 1) Obtain the language code of the preferred language from the Language code list (➡ page 59).
- 2) Select the first character by pressing ▲/▼ buttons.
- 3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
- 4) Select “OK” and press OK button.

**Notes**

- Some discs may be set to display subtitles in a different language from that you selected, as the disc may contain alternate language.
- Some discs allow you to change subtitle selections only via the disc menu. In this case, press MENU button and choose the appropriate subtitle language from the selection on the disc menu.

**Audio Language**

To select a preferred language for the sound track.

**English**

To display sound tracks recorded in English.

**French**

To display sound tracks recorded in French.

**Japanese**

To display sound tracks recorded in Japanese.

**German**

To display sound tracks recorded in German.

**Other**

To make a further language choice.

After pressing OK button, follow steps 1) – 4) below.

- 1) Obtain the language code of the preferred language from the Language code list (➡ page 59).
- 2) Select the first character by pressing ▲/▼ buttons.
- 3) Press ◀/▶ buttons to shift. Select the second character by pressing ▲/▼ buttons.
- 4) Select “OK” and press OK button.

**Note**

- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

## Ethernet

See the “Internet connection” chapter (➡ page 42).

### On Screen Language

To select a preferred language for on-screen displays.

#### English

To view on-screen display in English.

#### French

To view on-screen display in French.

#### Japanese

To view on-screen display in Japanese.

#### German

To view on-screen display in German.

**Customizing the function settings (Continued)**

**Parental Lock**

HD DVD and DVD video discs equipped with the Parental Lock function have a predetermined limitation level. The limitation level or limitation method may differ depending on the disc. For example the whole contents of a disc may not be played back, or an extreme violent scene may be cut or replaced automatically by another scene.

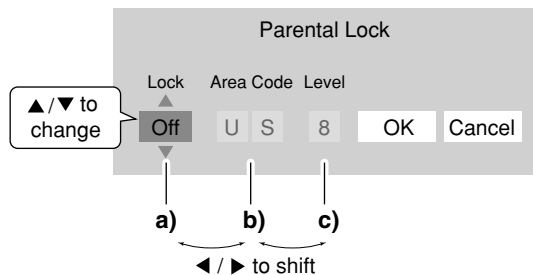
**Important**

Depending on discs, it may not be evident whether the disc is compatible with Parental Lock function. Make sure that Parental Lock function you set is activated correctly.

**1 Enter a 4-digit password by using the number buttons, then press OK button.**

When you use the player for the first time, set a new password of 4-digit. If you make a mistake entering your password, press CLEAR button before pressing OK button, and re-enter the correct password.

**2 Set the details.**



**a) Select "On" or "Off" by pressing ▲/▼ buttons.**

**On**

Select this to activate Parental Lock function or to change the setting.

**Off**

Deactivate the Parental Lock function. Skip step 3.

**b) Press ▲/▼ buttons to enter the code of a country/area whose standards were used to rate a disc, referring to the list below.**

Country/Area	Code
AUSTRALIA	AU
BELGIUM	BE
CANADA	CA
CHINA	CN
CHINA HONG KONG	HK
DENMARK	DK
FINLAND	FI

FRANCE	FR
GERMANY	DE
INDONESIA	ID
ITALY	IT
JAPAN	JP
MALAYSIA	MY
NETHERLANDS	NL
NORWAY	NO
PHILIPPINES	PH
RUSSIAN FEDERATION	RU
SINGAPORE	SG
SPAIN	ES
SWEDEN	SE
SWITZERLAND	CH
TAIWAN	TW
THAILAND	TH
UNITED KINGDOM	GB
UNITED STATES	US

**c) Select the desired limitation level by pressing ◀/▶ buttons.**

Unless the Parental Lock function is set to "Off", a disc that has a higher limitation level than your selected limitation level cannot be played back. For example, if you select level 7, discs exceeding level 8 are locked and cannot be played back.

When "US" is selected, its limitation level corresponds to the following settings.

Level 7 : NC-17	Level 3 : PG
Level 6 : R	Level 1 : G
Level 4 : PG13	

**3 Select "OK" then press OK button.**

**■ To change the limitation level of Parental Lock function**

Follow step 1 - 3 above.

**■ To change the password**

**1 At step 1, press STOP button 4 times then press OK button.**

The password is cleared.

**2 Enter a new 4-digit password by using the number buttons.**

**3 Press OK button.**



**Clock Set**

To set the clock of the player.

- 1 Select your time zone by ◀/▶ buttons.
- 2 Press ▼ button to shift the cursor to the next input area.
- 3 Enter the year using the number buttons.
- 4 Set "Month", "Date" and "Time" in the same manner as 3.
- 5 Select "AM" or "PM" by ▲ / ▼ buttons.
- 6 Press ◀ button then ▼ button to select "OK", then press OK button.

The clock starts.

**Note**

- If a power failure occurs or the power cord is disconnected, the clock data will be erased. Reset the clock.

**OSD On/Off**

To activate or deactivate the operational status display on the TV screen.

**On**

Activates the operational status display (e.g., ▶) on the TV screen.

**Off**

Deactivates the operational status display (e.g., ▶) on the TV screen.

**Remote Controller Sound**

To turn on or off the confirmation beeper announcing when each remote command is received.

**On**

Turns on the beep sound.

**Off**

Turns off the beep sound.

**Screen Saver**

To turn on or off the screen protection function.

**Auto Power Off**

Turns the player off if picture pausing continues for about 20 minutes.

**On**

Activates the screen saver if picture pausing continues for about 20 minutes.

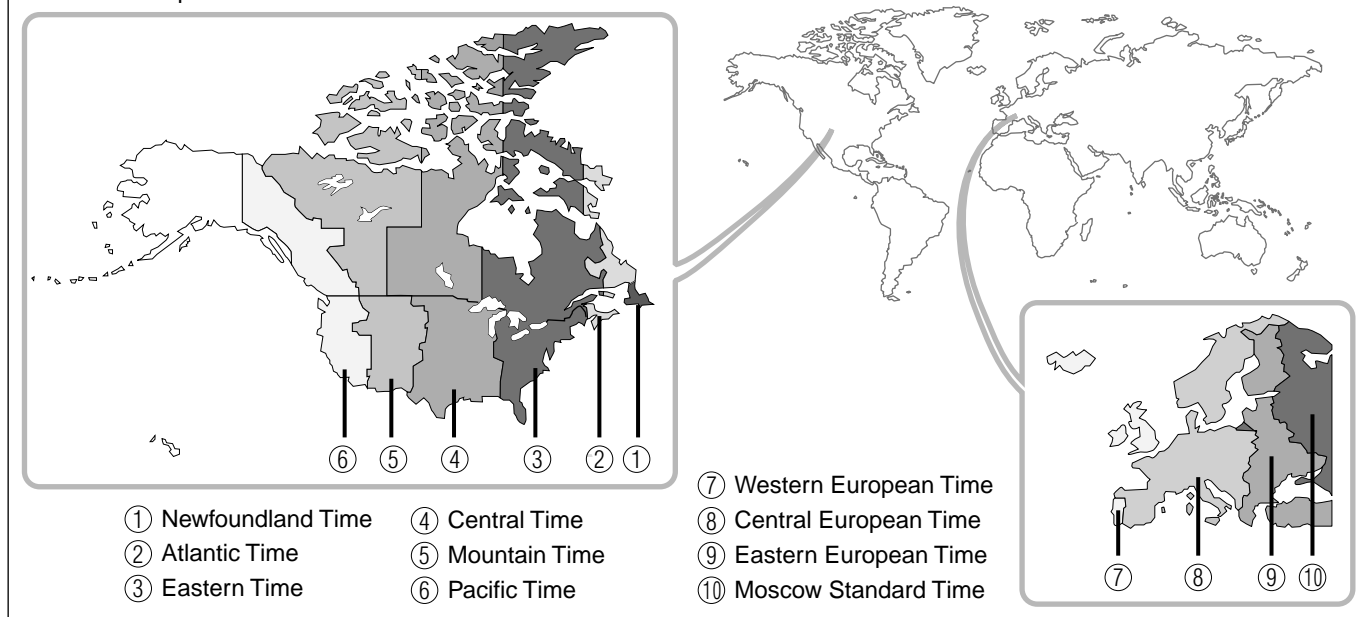
**Off**

Deactivates the screen saver.

**Notes**

- Toshiba does not guarantee that this function will protect your display.
- To close the screen saver, press any button on the player or the remote control.

Time zone map






## Customizing the function settings (Continued)

### General


#### Maintenance (including internet firmware update)

##### Initialize

To reset all the settings listed on  page 53 to factory set default.

Press   buttons to select "Yes" then press OK button.

##### Update (Firmware update)

If you have a broadband internet service you may obtain firmware updates over the internet using the LAN port on the back of your player. ( pages 44 to 46 for information on configuring and connecting your LAN port.) Then follow these steps:

- Make sure no disc is loaded in the player.
- Press SETUP and select Maintenance. Follow the instructions on the screen.
- If no update is available, a message will note this and the process will terminate.
- If an update is available, the player will download it showing the status of the process on its display.
- Do not attempt to roll back to a prior firmware version. This may damage your player.

##### Caution

- Do not unplug, turn off or use any other feature of the player during the download. The writing of the software being downloaded will be halted and the player may no longer work properly. If the player stops working, contact Toshiba Customer Service.

##### Note

- If a broadband connection is not available for use by your player, you may obtain firmware updates by mail. There is a postcard included with this player that you can use to sign up for updates on firmware availability and to automatically receive update discs.

#### Persistent Storage

To open the menu to control player's memory allocated for content.

The menu selections will vary depending on the content.

Operate following the instructions displayed on your screen.

#### Twin Format Disc

To select a layer to play, HD DVD or DVD of an HD DVD Twin Format Disc. (Not available if a disc is loaded.)

##### HD DVD

Only the HD DVD layer is played.

##### DVD

Only the DVD layer is played.

##### Note

- For combination discs, select the desired version by disc side (see label for information).

# Language code list

Abbreviation	Language	Abbreviation	Language	Abbreviation	Language
---	No alternate language	GN	Guarani	PT	Portuguese
CHI (ZH)	Chinese	GU	Gujarati	QU	Quechua
DUT (NL)	Dutch	HA	Hausa	RM	Rhaeto-Romance
ENG (EN)	English	HI	Hindi	RN	Kirundi
FRE (FR)	French	HR	Croatian	RO	Rumanian
GER (DE)	German	HU	Hungarian	RU	Russian
ITA (IT)	Italian	HY	Armenian	RW	Kinyarwanda
JPN (JA)	Japanese	IA	Interlingua	SA	Sanskrit
KOR (KO)	Korean	IE	Interlingue	SD	Sindhi
MAY (MS)	Malay	IK	Inupiak	SG	Sango
SPA (ES)	Spanish	IN	Indonesian	SH	Serbo-Croatian
AA	Afar	IS	Icelandic	SI	Singhalese
AB	Abkhazian	IW	Hebrew	SK	Slovak
AF	Afrikaans	JI	Yiddish	SL	Slovenian
AM	Amharic	JW	Javanese	SM	Samoan
AR	Arabic	KA	Georgian	SN	Shona
AS	Assamese	KK	Kazakh	SO	Somali
AY	Aymara	KL	Greenlandic	SQ	Albanian
AZ	Azerbaijani	KM	Cambodian	SR	Serbian
BA	Bashkir	KN	Kannada	SS	Siswati
BE	Belorussian	KS	Kashmiri	ST	Sesotho
BG	Bulgarian	KU	Kurdish	SU	Sundanese
BH	Bihari	KY	Kirghiz	SV	Swedish
BI	Bislama	LA	Latin	SW	Swahili
BN	Bengali, Bangla	LN	Lingala	TA	Tamil
BO	Tibetan	LO	Laotian	TE	Telugu
BR	Breton	LT	Lithuanian	TG	Tajik
CA	Catalan	LV	Latvian, Lettish	TH	Thai
CO	Corsican	MG	Malagasy	TI	Tigrinya
CS	Czech	MI	Maori	TK	Turkmen
CY	Welsh	MK	Macedonian	TL	Tagalog
DA	Danish	ML	Malayalam	TN	Setswana
DZ	Bhutani	MN	Mongolian	TO	Tongan
EL	Greek	MO	Moldavian	TR	Turkish
EO	Esperanto	MR	Marathi	TS	Tsonga
ET	Estonian	MT	Maltese	TT	Tatar
EU	Basque	MY	Burmese	TW	Twi
FA	Persian	NA	Nauru	UK	Ukrainian
FI	Finnish	NE	Nepali	UR	Urdu
FJ	Fiji	NO	Norwegian	UZ	Uzbek
FO	Faroese	OC	Occitan	VI	Vietnamese
FY	Frisian	OM	(Afan) Oromo	VO	Volapük
GA	Irish	OR	Oriya	WO	Wolof
GD	Scottish Gaelic	PA	Panjabi	XH	Xhosa
GL	Galician	PL	Polish	YO	Yoruba
		PS	Pashto, Pushto	ZU	Zulu

# Output sound conversion table

Disc	Audio Format	"Digital Out SPDIF"		
		Bitstream	PCM	
HD DVD Video Advanced con.	DD Plus/Dolby TrueHD	Dolby Bitstream	2ch PCM	
	dts-HD/L-PCM	DTS Bitstream	2ch PCM	
HD DVD Video Standard content	DD plus	Bitstream	2ch PCM	
	True HD	48kHz	Dolby Bitstream	2ch PCM
		96kHz	Dolby Bitstream	2ch PCM <sup>1</sup>
		192kHz	Dolby Bitstream	2ch PCM <sup>1</sup>
	dts-HD	Bitstream	2ch PCM	
	L-PCM	48kHz	DTS Bitstream	2ch PCM
		96kHz	DTS Bitstream	2ch PCM <sup>1</sup>
192kHz		DTS Bitstream	2ch PCM <sup>1</sup>	
MPEG	Bitstream	2ch PCM		
DVD-Video	DD	Bitstream	2ch PCM	
	L-PCM	48kHz	2ch PCM	
		96kHz	2ch PCM <sup>1</sup>	
	dts	Bitstream	2ch PCM	
	MPEG	Bitstream	2ch PCM	
CD	L-PCM	44.1kHz	2ch PCM	
	dts	44.1kHz	Bitstream	
DVD-VR	DD	Bitstream	2ch PCM	
	L-PCM		2ch PCM	
	MPEG	Bitstream	2ch PCM	

Disc	Audio Format	"Digital Out HDMI"		
		Auto	PCM <sup>2</sup>	Downmixed PCM
HD DVD Video Advanced con.	DD Plus/Dolby TrueHD/ dts-HD/L-PCM	Depend on HDMI receiver	up to 5.1ch PCM <sup>3</sup>	2ch PCM <sup>1</sup>
HD DVD Video Standard content	DD plus	Depend on HDMI receiver	up to 5.1ch PCM <sup>2</sup>	2ch PCM
	True HD	48kHz	Depend on HDMI receiver	up to 5.1ch PCM
		96kHz	Depend on HDMI receiver	up to 5.1ch PCM
		192kHz	Depend on HDMI receiver	2ch PCM <sup>1</sup>
	dts-HD	Depend on HDMI receiver	up to 5.1ch PCM <sup>2</sup>	2ch PCM
	L-PCM	48kHz	Depend on HDMI receiver	up to 5.1ch PCM
		96kHz	Depend on HDMI receiver	up to 5.1ch PCM <sup>3</sup>
192kHz		Depend on HDMI receiver	2ch PCM <sup>3</sup>	
MPEG	Depend on HDMI receiver	2ch PCM	2ch PCM	
DVD-Video	DD	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM
	L-PCM	48kHz	2ch PCM	2ch PCM
		96kHz	2ch PCM	2ch PCM <sup>3</sup>
	dts	Depend on HDMI receiver	up to 5.1ch PCM	2ch PCM
MPEG	Depend on HDMI receiver	2ch PCM	2ch PCM	
CD	L-PCM	44.1kHz	2ch PCM	2ch PCM
	dts	44.1kHz	Depend on HDMI receiver	up to 5.1ch PCM
DVD-VR	DD	Depend on HDMI receiver	2ch PCM	2ch PCM
	L-PCM		2ch PCM	2ch PCM
	MPEG	Depend on HDMI receiver	2ch PCM	2ch PCM

- 1: Downsampled PCM.
- 2: Up to 5.1 channel PCM audio output is possible only when the connected device supports multi channel output.
- 3: This output format is possible when the resolution setting is "720p", "1080i" or "1080p". When the resolution setting is set to "480p", this output format depends on HDMI receiver.

## Notes

- The main title content of most movie HD DVD discs is "advanced content".
- The BITSTREAM/PCM jack may not output sound you select. In this instance, set "Digital Out SPDIF" to "PCM".
- The ANALOG AUDIO OUTPUT jacks always output 2ch sound only.

Introduction

Connections

Playback  
(Basic)

Playback  
(Advanced)

Internet  
connection

**Others**

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

## **Exhibit C**

### LICENSE ISSUES

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit.

See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact [openssl-core@openssl.org](mailto:openssl-core@openssl.org).

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If you experience any of the following difficulties while using this unit, check the list below before consulting your nearest Toshiba dealer.

Symptom	Remedy
■ <b>No power.</b>	→ Is the power plug disconnected? Check the power connection.
■ <b>No picture.</b>	<p>→ Is the cable for connecting the player and TV disconnected or not connected properly? Check the connections (➡ page 21 – 22)</p> <p>→ Switch the input of the connected TV to the signal from the player.</p> <p>→ Are both the HDMI OUTPUT jack and the COMPONENT OUTPUT jacks connected simultaneously? Select either connection and make the appropriate setting. (➡ page 21 – 23)</p> <p>→ In case the menu of “Resolution Setting” disappears, try composite video (yellow) connection.</p>
■ <b>No sound.</b>	<p>→ Is the audio cable disconnected? (➡ page 22)</p> <p>→ Is the volume of the device turned down to the minimum level? Check the volume.</p> <p>→ Switch the audio input of the device connected by the audio cable to the input from the player.</p> <p>→ Set “Digital Out SPDIF” or “Digital Out HDMI” (➡ page 53) properly in accordance with the connected device and connection procedure.</p> <p>→ Change the output resolution (➡ page 23) so that sound can be heard.</p> <p>→ If using the optical digital output for a Dolby Digital Plus, Dolby TrueHD, DTS-HD or DTS soundtrack, be sure your AV receiver or processor is set to use the input connected to your player and is set to decode a DTS bitstream. If your AV receiver or processor does not support DTS, select PCM output on the player (➡ page 53).</p>
■ <b>The disc does not play.</b>	<p>→ Make sure the disc type can be played with the player (➡ page 28).</p> <p>→ Is the disc dirty or scratched? Check or clean the disc. (➡ page 29)</p> <p>→ If the disc is a DVD-RW or DVD-R disc, finalize the disc before attempting to play it with the player.</p> <p>→ If the disc includes parent lock support, playback is restricted while the parent lock of the player is set. Cancel Parental Lock (➡ page 56) or change the restriction level.</p>
■ <b>Playback picture has noise.</b>	→ If video from the player is watched via a video recorder or on a TV with a built-in video recorder, the copy guard may prevent images from being displayed properly. Be sure to connect the player directly to the TV.
■ <b>The remote control does not work.</b>	<p>→ Are the batteries of the remote control dead? Replace the batteries. (➡ page 16)</p> <p>→ Make sure the remote control is within range and pointed in the correct direction.</p>
■ <b>Screen freezes and no buttons work.</b>	→ Pressing ON/STANDBY button on the player for approximately ten seconds forces the player to turn off. Turn the player off and then on again.

# Specification

## ■ Power requirement

36.0W

## ■ Power supply

120V AC 60Hz

## ■ Mass

4.1kg

## ■ External dimension

Width 430 x Height 65.5 x Depth 345mm

## ■ Signal system

Standard NTSC Color TV system

## ■ Laser

Semiconductor laser, Wavelength: 405nm/650nm/  
780nm

## ■ VIDEO output

1.0Vp-p (75Ω), Sync signal negative,  
Pin jack x 1 system

## ■ S-VIDEO output

(Y) 1.0Vp-p (75Ω), Sync signal negative,  
(C) 0.286Vp-p (75Ω), 1 at rear  
Mini DIN4 Pin x 1 system

## ■ Component output (Y, P<sub>B</sub> P<sub>R</sub>)

Y output (green), 1.0Vp-p (75Ω),  
Sync signal negative, Pin jack x 1 system  
P<sub>B</sub>, P<sub>R</sub> output (blue, red), 0.7Vp-p (75Ω),  
Pin jack x 1 system each

## ■ Analog audio output

2.0V (rms), 2.2kΩ or below, pin jack  
(L, R) x 1 system

## ■ Digital audio output (BITSTREAM/PCM jack)

Optical connector x 1 system

## ■ LAN port

100BASE-TX/10BASE-T x 1

## ■ EXTENSION port

EXTENSION port x 2 systems

## ■ HDMI output

19 pin

## ■ Remote control

Wireless remote control (SE-R0252)

## ■ Operating conditions

Temperature: 41°F ~ 95°F (5°C ~ 35°C),  
Position: Horizontal

## ■ Clock accuracy

Quartz (monthly deviation: approximately ±30  
seconds)

- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.
- The Illustrations and screens described in this manual may be exaggerated or simplified for easy recognition and may be slightly different from the actual unit.

## Limited United States Warranty

### Digital Audio Video (“DAV”) Product-Depot Repair Warranty

Toshiba America Consumer Products, L.L.C., (“TACP”) makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS DAV PRODUCT AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

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TACP warrants this DAV Product and its parts against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR.

### Limited One (1) Year Warranty on Parts\*

TACP further warrants the parts in this DAV Product against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR THE PART, PROVIDED THAT IF A DEFECTIVE PART IS REPAIRED OR REPLACED AFTER NINETY (90) DAYS AFTER THE DATE OF ORIGINAL RETAIL PURCHASE, THE CONSUMER SHALL PAY ALL LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT THEREOF.

### \*Rental Units

The warranty for DAV Product rental units begins on the date of the first rental or thirty (30) days after the date of shipment to the rental firm, whichever comes first.

### \*Commercial Units

DAV Products sold and used for commercial purposes have a limited warranty for all parts and labor, which warranty begins on the date of original retail purchase and ends on the date that is ninety (90) days thereafter.

### Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this DAV Product.

Complete and mail the enclosed product registration card or register your DAV Product on-line at [www.tacp.toshiba.com/service](http://www.tacp.toshiba.com/service) as soon as possible. By registering your DAV Product you will enable TACP to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act. Failure to complete and return the product registration card does not diminish your warranty rights.

### Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must retain your bill of sale or provide other proof of purchase.
- (2) All warranty servicing of this DAV Product must be made by the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.
- (3) The warranties from TACP are effective only if the DAV Product is purchased and operated in the United States or Puerto Rico.
- (4) Labor service charges for set installation, setup, adjustment of customer controls and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any DAV Product or parts that have been lost or discarded by you or to damage to the DAV Product or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance or use in violation of instructions furnished by TACP; use or malfunction through simultaneous use of this DAV Product and connected equipment; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

## How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the section “Before calling service personnel”, you find that service is needed:

- (1) For instructions on how to obtain warranty service for your DAV Product, contact TACP’s Consumer Solution Center toll-free at 1-800-319-6684.
- (2) You must include a copy or original bill of sale or other proof of purchase along with the entire DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

For additional information, visit TACP’s web site:  
[www.tacp.toshiba.com](http://www.tacp.toshiba.com).

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YOU MUST READ AND FOLLOW ALL SET-UP AND USAGE INSTRUCTIONS IN THE APPLICABLE USER GUIDES AND/OR MANUALS. IF YOU FAIL TO DO SO, THIS PLAYER MAY NOT FUNCTION PROPERLY AND YOU MAY SUFFER DAMAGE. THIS WARRANTY WILL NOT COVER ANY SERVICE THAT IS REQUIRED, IN PART OR IN WHOLE, AS A RESULT OF ANY FAILURE TO FOLLOW THE SET-UP AND USAGE INSTRUCTIONS. THIS WARRANTY DOES NOT APPLY AND SHALL BE VOID AND UNENFORCEABLE IF THE PLAYER IS OPENED, SERVICED, OR REPAIRED BY PERSONS OTHER THAN THOSE AUTHORIZED BY TCL TO SERVICE OR REPAIR THE PRODUCT.

IF THE PLAYER FAILS TO WORK AS WARRANTED ABOVE, YOUR SOLE AND EXCLUSIVE REMEDY SHALL BE REPAIR OR REPLACEMENT OF THE DEFECTIVE PART. IN NO EVENT WILL TCL, TOSHIBA CORPORATION, THEIR AFFILIATES OR ADRs (THE "RELATED PARTIES") BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY DAMAGES, MONEY, REIMBURSEMENT, COSTS OR EXPENSES. THIS LIMITATION APPLIES TO DAMAGES, MONEY, REIMBURSEMENT, COSTS OR EXPENSES OF ANY KIND WHATSOEVER INCLUDING ANY DIRECT OR INDIRECT DAMAGES, DAMAGE TO PROPERTY OR PERSON, LOST PROFITS, LOST SAVINGS, INCONVENIENCE OR OTHER SPECIAL, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, WHETHER FOR BREACH OF WARRANTY, BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), UNDER A STATUTE OR UNDER ANY OTHER LAW OR FORM OR ACTION, OR WHETHER ARISING OUT OF THE USE OF OR INABILITY TO USE THE PLAYER, EVEN IF ANY OF THE RELATED PARTIES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR OF ANY CLAIM BY ANY OTHER PARTY.

No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever.

### Arbitration and Dispute Resolution

To the extent not precluded by law, any claim, dispute, controversy or disagreement (whether for breach of warranty, breach of contract, tort (including negligence), under a statute or under any other law or form of action) against any of the Related Parties arising out of, or otherwise relating to: (i) this warranty; (ii) the Player; (iii) any oral or written representations, statements, brochures, press releases, advertising, announcement, point of sale display, or promotional material relating to the Player; (iv) the relationships that result from this warranty, (the foregoing claims, disputes controversies and disagreements are collectively referred to as the "Dispute"), shall be referred to and resolved by final and binding arbitration (to the exclusion of the courts). To the extent not precluded by law, you agree to waive any right that you may have to commence or participate in any representative or class proceeding against the Related Parties relating to any Dispute. If and where applicable and to the extent not precluded by law, you further agree to opt out of any such representative or

class proceedings. Arbitration of any Dispute will be conducted in the forum and in the manner as agreed to between you and TCL. Failing such agreement, the arbitration will be conducted by one arbitrator pursuant to the laws and rules relating to arbitration generally in force in the jurisdiction in which you reside at the time that the Dispute arises. To the extent not precluded by law, no claim, dispute, controversy or disagreement of any other person may be joined or combined with any Dispute by you, without the prior written consent of TCL.

### General Provisions

If and to the extent that any provision of this limited warranty should generally be found to be unenforceable, the unenforceable provision shall be severed from the warranty and deemed not to form part of the warranty. The remaining provisions of this warranty shall be and remain valid and enforceable. If and to the extent that any provision of this limited warranty as it relates to any of the Related Parties is found to be invalid or unenforceable in respect of that party (the "Excluded Party"), the Excluded Party shall be deemed to be severed or excluded from the provision, and the provision shall remain valid, enforceable and applicable in respect of the other or remaining Related Parties.

To the extent permitted by law, this limited warranty shall be governed and construed in accordance with the laws of Ontario.

If there is any inconsistency between this limited warranty, on the one hand, and any statement in the packaging of the Player or in any other document enclosed with, or used in the context of the promotion or sale of, the Player, on the other hand, the provisions of this limited warranty shall prevail.

### How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

- (1) To find the nearest Toshiba Factory Service Depot, visit TCL's web site at [www.toshiba.ca](http://www.toshiba.ca), or call toll free 1-800-268-3404
- (2) Present your bill of sale or other proof of purchase to the Toshiba Factory Service Depot.

For additional information, visit TCL's website: [www.toshiba.ca](http://www.toshiba.ca)

# MEMO

# MEMO

Introduction

Connections

Playback  
(Basic)

Playback  
(Advanced)

Internet  
connection

**Others**

## **INFORMATION ON CUSTOMER SUPPORT**

HD DVD is a new and evolving format, so changes and improvements are possible. To obtain updated information about HD DVD and this product, as well as customer support information about this product, please contact Toshiba Customer Support:

\* In the U.S., please call 1 (800) 319-6684, or visit [www.tosibahddvd.com](http://www.tosibahddvd.com) or [www.tacp.com/customersupport](http://www.tacp.com/customersupport).

\* In Canada, please call 1 (800) 268-3404 or visit [www.toshiba.ca](http://www.toshiba.ca) and click on support.

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